Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/02/2022 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124925	-1	1.18	124841	1.16
Blue	F	SSC	125000	123980	-1	2.27	124482	2.10
Blue	E	FITC	13602	13161	-4	2.17	367	13.79
Blue	D	PE	24891	24712	-1	1.56	587	10.44
Blue	B	PerCP-Cy5-5	33972	33113	-3	2.89	945	15.21
Blue	A	PE-Cy7	22865	22521	-2	4.94	469	31.09
Red	C	APC	47198	46470	-2	2.58	1606	10.96
Red	A	APC-Cy7	26454	25434	-4	2.97	720	11.96
Violet	B	V450	6737	6503	-4	3.23	452	11.58
Violet	A	V500	29317	28166	-4	2.77	963	8.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24324	2.08	539	4	N/A	N/A	Pass
Blue	F	SSC	55758	1.86	520	-1	N/A	N/A	Pass
Blue	E	FITC	55	53.22	488	4	0.0392	40	Pass
Blue	D	PE	115	38.44	492	6	0.4062	310	Pass
Blue	B	PerCP-Cy5-5	149	42.36	584	5	0.0189	79	Pass
Blue	A	PE-Cy7	78	80.87	627	6	0.0214	1	Pass
Red	C	APC	338	25.51	571	-1	0.0324	298	Pass
Red	A	APC-Cy7	134	34.73	548	-3	0.0069	1625	Pass
Violet	B	V450	76	48.68	443	-7	0.0538	2301	Pass
Violet	A	V500	113	32.62	462	-7	0.0281	1366	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.14	-31.68	1.14
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.47	13.90 - 20.86	N/A	N/A	29.93	30.26	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 13107

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments